void setup()

{

pinMode(4,INPUT);

Serial.begin(9600);

pinMode(13,OUTPUT);

}

void loop()

{

int p = digitalRead(4);

if (p==1) {

digitalWrite(13, HIGH);

Serial. println("Motion Detected! ") ;

delay (1000);

}

else{

digitalWrite(13, LOW);

Serial. println("Motion not Detected") ;

delay (1000) ;

}

}